

FCC TEST REPORT

Report No.....: AB26020187FW02

FCC ID.....: **2BU9W-Q41-LN**

Applicant.....: Shenzhen Gwell Times Technology Co., Ltd.

Address.....: 28th Floor, Building C, Minzhi Stock Commerce Center, North Station Community, Longhua District, Shenzhen, PR. China

Manufacturer.....: Shenzhen Gwell Times Technology Co., Ltd.

Address.....: 28th Floor, Building C, Minzhi Stock Commerce Center, North Station Community, Longhua District, Shenzhen, PR. China

Product Name.....: Smart Battery Camera

Trade Mark.....: /

Test Model.....: Q41-LN

Additional Model(s).....: CQ1A,CQ1B,CQ1C,CQ1D,CQ1E,CQ1F,CQ1G,CQ1H,CQ1I,CQ1J,CQ1K,CQ1L,CQ1M,CQ1N,CQ1O,CQ1P,CQ1Q,CQ1R,CQ1S,CQ1T,CQ1U,CQ1V,CQ1W,CQ1X,CQ1Y,CQ1Z

Standard.....: FCC Part 2 (Section 2.1091);KDB 447498 D01;IEEE C95.1

Date of Receipt.....: 2026.02.26

Date of Issue.....: 2026.03.13

Test Result.....: Pass

Compiled by:
(Printed Name + Signature)

Huajie Li

Huajie Li

Supervised by:
(Printed Name + Signature)

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David Huang

Approved by:
(Printed Name + Signature)

Jay Liu

Jay Liu

Testing Laboratory Name.....: Aibo Standard Technology (Shenzhen) Co., Ltd.

Address.....: 101, Building B, Tuori New Energy Industrial Park, High-tech Park, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, China

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FCC TEST REPORT

EUT.....	: Smart Battery Camera
Test Model.....	: Q41-LN
Applicant.....	: Shenzhen Gwell Times Technology Co., Ltd.
Address.....	: 28th Floor, Building C, Minzhi Stock Commerce Center,North Station Community, Longhua District, Shenzhen, PR. China
Manufacturer.....	: Shenzhen Gwell Times Technology Co., Ltd.
Address.....	: 28th Floor, Building C, Minzhi Stock Commerce Center,North Station Community, Longhua District, Shenzhen, PR. China

Test Result	Positive
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

REPORT VERSION

Version No.	Issue Date	Description
01	2026.03.13	Initial Issue

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1. GENERAL INFORMATION

1.1. GENERAL DESCRIPTION OF EUT

Product Name:	Smart Battery Camera	
Trade Mark:	/	
Test Model:	Q41-LN	
Additional Model(s):	CQ1A,CQ1B,CQ1C,CQ1D,CQ1E,CQ1F,CQ1G,CQ1H,CQ1I,CQ1J,CQ1K,CQ1L,CQ1M,CQ1N,CQ1O,CQ1P,CQ1Q,CQ1R,CQ1S,CQ1T,CQ1U,CQ1V,CQ1W,CQ1X,CQ1Y,CQ1Z	
Model Difference:	All models are the same circuit and RF module, except the model name	
Hardware Version:	GW_R242_MAIN_V1_0	
Software Version:	/	
Power Supply:	Input :DC 5V; Output: DC 3.6V	
EUT Supports Function: (Provided by the customer)	E-UTRA Bands:	LTE Band 2/4/5/7/12/13/41/66
Test Sample(s) Number:	AB26020187-01 (Engineer Sample)	
Radio Specification Subject to this Report		
Support Networks:	Band 2/4/5/7/12/13/41/66	
Frequency Range:	Band 2	1850MHz–1910MHz
	Band 4	1710MHz–1755MHz
	Band 5	824MHz–849MHz
	Band 7	2500MHz–2570MHz
	Band 12	699MHz–716MHz
	Band 13	777MHz–787MHz
	Band 41	2496MHz–2690MHz
	Band 66	1710MHz–1780MHz
Modulation Type:	QPSK, 16QAM	
Channel Bandwidth:	Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	Band 7	5MHz, 10MHz, 15MHz, 20MHz
	Band 12	1.4MHz, 3MHz, 5MHz, 10MHz
	Band 13	5MHz, 10MHz
	Band 41	5MHz, 10MHz, 15MHz, 20MHz
	Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	External Antenna; 3.67 dBi for band 2;3.67 dBi for band 4; 2.16 dBi for band 5; 1.43 dBi for band 7; 2.16 dBi for band 12; 2.16 dBi for band 13; 1.43 dBi for band 41; 3.67 dBi for band 66;	

1.2. DESCRIPTION OF TEST FACILITY

Test Lab: Aibo Standard Technology (Shenzhen) Co., Ltd.

Address: 101, Building B, Tuori New Energy Industrial Park, High-tech Park, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, China

Tel.: +(86) 0755 85250797

E-mail: aibo@aibonorm.com

Website: www.aibonorm.com

The test facility is recognized, certified, or accredited by the following organizations:

A2LA-Lab Certificate No.: 7514.01

Aibo Standard Technology (Shenzhen) Co., Ltd. has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC Accredited Lab.

Designation Number: CN1411

Test Firm Registration Number: 567066

ISED Wireless Device Testing Laboratories

Company Number: 33924

CAB identifier: CN0185

2. RF EXPOSURE EVALUATION

2.1 Limit

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

f = frequency in MHz

Friis transmission formula: $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where

P_d = power density in mW/cm², P_{out} = output power to antenna in mW;

G = gain of antenna in linear scale, $\pi = 3.1416$;

R = distance between observation point and center of the radiator in cm

P_d is the limit of MPE, 1 mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

2.2 Evaluation Result

Mode	Total Power (dBm)	Antenna Gain	Max.EIRP (dBm)	Max.EIRP (mW)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
LTE band 2	22.99	3.67	26.660	463.447	0.092200	1.0	PASS
LTE band 4	22.43	3.67	26.100	407.380	0.081046	1.0	PASS
LTE band 5	22.87	2.16	25.030	318.420	0.063348	0.5576	PASS
LTE band 7	21.90	1.43	23.330	215.278	0.042828	1.0	PASS
LTE band 12	23.55	2.16	25.710	372.392	0.074085	0.4717	PASS
LTE band 13	22.40	2.16	24.560	285.759	0.056850	0.5213	PASS
LTE band 41	20.89	1.43	22.320	170.608	0.033941	1.0	PASS
LTE band 66	22.79	3.67	26.460	442.588	0.088050	1.0	PASS

So a SAR test is not required

*****THE END*****